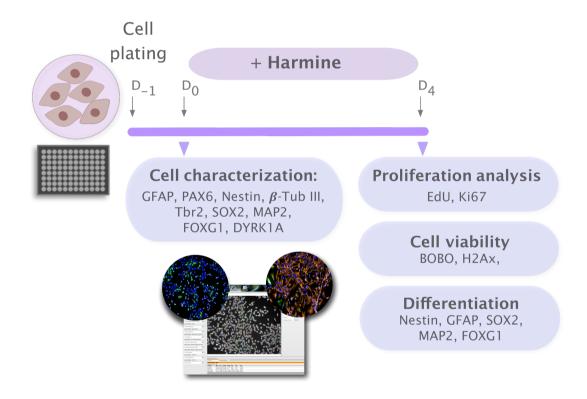
Title: Harmine stimulates proliferation of human neural cells

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Supplementary information

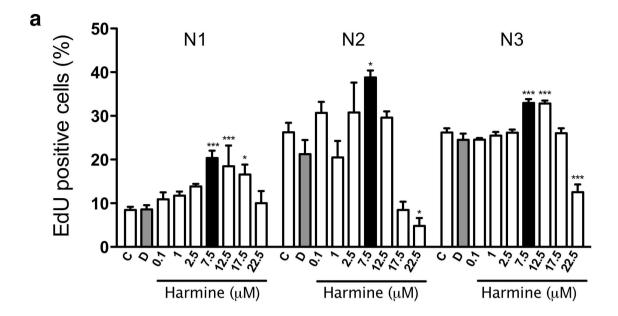


Supplementary figure 1: Scheme for characterization and proliferation experiments.

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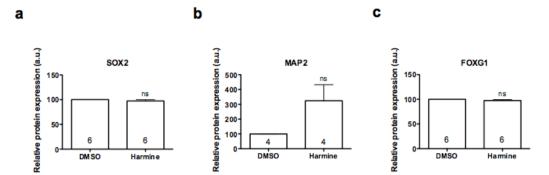
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b		Control DMSO	Harmine (7.5µM)	р
	N1	8.60±0.94	20.35±1.69	0.0001 to 0.001
	N2	21.24±3.25	38.79±1.61	0.01 to 0.05
	N3	24.54±1.4	32.97±0.88	0.0001 to 0.001

Supplementary figure 2: Effect of harmine on cell proliferation. (a) Doseresponse curve of harmine in 3 different lines of hNPC. (b) Table showing mean ± sem and p-value. A minimum of 10,000 hNPCs was counted per condition/per experiment. Data were analyzed by one-way ANOVA with Tukey's multiple comparison test. C - control and D - Control DMSO.



Supplementary figure 3: Quantification of differentiation markers with or without harmine exposure. (a) Expression of SOX2 protein relative to DMSO control. (b) Expression of MAP2 protein relative to DMSO control. A minimum of 10,000 hNPCs was counted per condition/per experiment. Data were analyzed by one-way ANOVA with Tukey's multiple comparison test, ns = p>0.1. Values represent mean \pm sem. The number inside the bar represents the number of experiments in each group.